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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

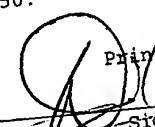
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\* \* \*

TRANSMITTAL LETTER

The Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

ATTN: Mail Stop Patent Applications

Sir:

Transmitted herewith for filing is the patent application of: Andreas Molisch, Sun Yuan Kung, Xinying Zhang, and Jinyun Zhang.

FOR: RF SIGNAL PROCESSING IN MULTI-ANTENNA SYSTEMS

Enclosed are:

- [18] pages of specification, claims and abstract
- [3] sheets of formal drawings
- [X] Declaration and Power of Attorney
- [X] Assignment of the application
- [X] Information Disclosure Statement

The filing fee is calculated as follows:

CLAIMS AS FILED			
NUMBER FILED	NUMBER EXTRA	LARGE ENTITY	AMOUNT
<u>Basic Fee</u>			\$ 750.00
Total Claims	15 -20 =	x 18.00	\$ .00
Independent Claims	1 -3 =	\$80.00	\$ .00
Assignment			
Recording Fee		40.00	\$ 40.00
Multiple Dependent Claim Fee		<u>270.00</u>	
<u>Other</u>			
		TOTAL FEE	\$ 790.00

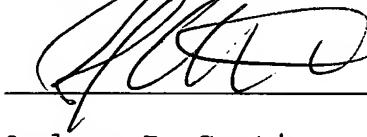
- Please record the accompanying Assignment.
- Please charge Deposit Account No. 50-0749 in the amount of \$ 790.00 for filing fees.
- Check in the amount of \_\_\_\_\_ for Filing Fee.
- The Assistant Commissioner for Patents is hereby authorized to charge any additional fees due or credit any overpayment to Deposit Account No. 50-0749.

All future correspondence should be addressed to:

Patent Department  
Mitsubishi Electric Research Laboratories, Inc.  
201 Broadway  
Cambridge, Massachusetts 02139

Duplicate copies of this letter are enclosed.

Respectfully submitted,  
MITSUBISHI ELECTRIC RESEARCH LABORATORIES, INC.

By: 

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